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(54) Title: **BIODEGRADABLE PHASE SEPARATED SEGMENTED MULTI BLOCK CO-POLYMERS**

(57) Abstract: The invention is directed to biodegradable, thermoplastic, phase separated segmented multi-block copolymers. The copolymers of the present invention find use in various biomedical applications as well as in pharmaceutical applications. According to the invention a biodegradable, phase separated copolymer is provided, comprising segments of a soft prepolymer (A) having a T_g lower than 37°C; and segments of a hard prepolymer (B) having a phase transition temperature T_m of 40-100°C.

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2001/009662 A1 (COHN DANIEL ET AL) 26 July 2001 (2001-07-26) paragraph '0092! - paragraph '0104! paragraph '0146!; examples 7,10	1-21, 23-28
X	US 5 202 413 A (SPINU MARIA) 13 April 1993 (1993-04-13) column 2, line 29 -column 4, line 41; examples 8,9	1,3-18, 24-28
X	MAURIZIO PENCO ET AL.: "New poly(ester-carbonate) multi-block copolymers based on PLGA and PCL-segments" MACROMOLECULAR CHEMISTRY & PHYSICS, vol. 199, no. 8, - 1998 pages 1737-1745, XP002255177 * whole document *	1,3,5-7, 10, 12-18,21

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Information on patent family members

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